

**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: Pharmaceutical Examiner #: \_\_\_\_\_ Date: 1/4/5  
 Art Unit: 2600 Phone Number 30 8-3246 Serial Number: 091577006  
 Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

*Litigation Search*  
*5,870,370*

\*\*\*\*\*  
**STAFF USE ONLY**

	Type of Search	Vendors and cost where applicable
Searcher: <u>N. B. B. B. B.</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>617 67</u>	AA Sequence (#) _____	Dialog <u>X</u>
Searcher Location: <u>FILE 2700</u>	Structure (#) _____	Questel/Orbit <u>X</u>
Date Searcher Picked Up: <u>1/4/5</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>1/4/5</u>	Litigation <u>X</u>	Lexis/Nexis <u>X</u>
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>5</u>	Other _____	Other (specify) _____

L Number	Hits	Search Text	DB	Time stamp
1	7	((("6288991") or ("6283764") or ("5768252"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 11:53
8	4	((("5263010") or ("5337296"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 11:55
15	12	"5263010"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:00
29	0	algermissen near3 thomas	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:01
22	1	giessen near3 jens	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:02
36	0	giessen near3 maier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:03
43	7	jens near3 maier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:03
50	3	thomas near2 freitag	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:03
57	9	(jens near3 maier) or (thomas near2 freitag)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:39
64	585	title near5 begin\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:40
71	3912	title near5 (begin\$5 or start\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:40
78	1544	title near5 address	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:48
85	9926	calculat\$5 near7 track\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 13:36
92	3897	track near3 jump	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 12:43

08/577,006

99	241	((title near5 (begin\$5 or start\$5)) and (title near5 address))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 12:43
106	550	(calculat\$5 near7 track\$5) and (track near3 jump)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 12:43
113	0	((title near5 (begin\$5 or start\$5)) and (title near5 address)) and ((calculat\$5 near7 track\$5) and (track near3 jump))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 12:44
120	6	((title near5 (begin\$5 or start\$5)) and (title near5 address)) and (calculat\$5 near7 track\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:12
127	192355	start\$5 near3 time	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:07
134	0	("120 and 127").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:07
141	3	((title near5 (begin\$5 or start\$5)) and (title near5 address)) and (calculat\$5 near7 track\$5) and (start\$5 near3 time)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:07
148	16	lead-in near7 title	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:34
155	276	lead-in near7 address	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 14:15
169	10	((title near5 (begin\$5 or start\$5)) and (title near5 address)) and (lead-in near7 address)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:14
162	10	run-in near7 address	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:17
176	290	lead-in near7 (address or title)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:35
183	110	(start\$5 near3 time) and (lead-in near7 (address or title))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:38
190	168441	calculat\$5 near7 (address or time)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 13:25

197	29	((start\$5 near3 time) and (lead-in near7 (address or title))) and (calculat\$5 near7 (address or time))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 13:26
204	150	toc near7 title	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 14:56
211	600	toc near7 (address or title)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 13:35
218	36531	calculat\$5 near7 (start\$5 or track\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 13:37
225	71	(toc near7 (address or title)) and (calculat\$5 near7 (start\$5 or track\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 13:37
232	4	((toc near7 (address or title)) and (calculat\$5 near7 (start\$5 or track\$5))) and (title near5 address)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 13:38
239	40	(start\$5 near3 time) and ((toc near7 (address or title)) and (calculat\$5 near7 (start\$5 or track\$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 13:38
246	3	("6288991").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 14:55
253	0	("karaoke").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 14:56
260	0	("karaok\$3").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 14:56
267	7018	karaoke	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 14:56
274	165	(toc or lead-in) near7 title	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 14:57
281	710	(toc or lead-in) near7 address	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 14:57
288	86	karaoke and "710"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/06 14:58

302	10	(karaoke and ((toc or lead-in) near7 address)) and (calculat\$5 near7 (address or time))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 14:58
295	48	karaoke and ((toc or lead-in) near7 address)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 16:38
309	2	("5870370").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 16:49
316	2	("3694385").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 16:44
323	2	("5694385").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 16:44
330	1		USPAT	2003/02/06 16:46
331	1		USPAT	2003/02/06 16:48
332	1		USPAT	2003/02/06 16:49
333	0	("quarter-wave or (quarter adj2 wave)").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 16:50
340	6670	quarter-wave or (qurater adj2 wave)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 16:50
347	9772	objective and focusing and recording	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 16:51
354	72775	369/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 16:51
361	34196	integrat\$5 near5 (head or pickup or source)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 17:42
368	438	(quarter-wave or (qurater adj2 wave)) and (objective and focusing and recording)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 17:42
375	54	(integrat\$5 near5 (head or pickup or source)) and ((quarter-wave or (qurater adj2 wave)) and (objective and focusing and recording))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 17:55
382	1		USPAT	2003/02/06 17:52
383	1		USPAT	2003/02/06 17:53
384	1		USPAT	2003/02/06 17:54
385	4	("5631774") or ("5210627").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/02/06 17:56

1/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
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12405660

Basic Patent (No,Kind,Date): JP 7093799 A2 19950407 <No. of Patents: 005>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 7093799 A2 19950407  
OPTICAL PICKUP DEVICE (English)  
Patent Assignee: RICOH KK  
Author (Inventor): AKIYAMA HIROSHI  
Priority (No,Kind,Date): JP 93237027 A 19930924  
Applic (No,Kind,Date): JP 93237027 A 19930924  
IPC: \* G11B-007/135; G11B-011/10  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7098883 A2 19950411  
OPTICAL PICKUP DEVICE (English)  
Patent Assignee: RICOH KK  
Author (Inventor): EMOTO MASAMI  
Priority (No,Kind,Date): JP 93245295 A 19930930  
Applic (No,Kind,Date): JP 93245295 A 19930930  
IPC: \* G11B-007/135  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7121901 A2 19950512  
OPTICAL PICKUP APPARATUS (English)  
Patent Assignee: RICOH KK  
Author (Inventor): TAKAHASHI YOSHITAKA  
Priority (No,Kind,Date): JP 93270225 A 19931028  
Applic (No,Kind,Date): JP 93270225 A 19931028  
IPC: \* G11B-007/135; G11B-007/09; G11B-007/125; G11B-007/13  
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5694385 A 19971202  
OPTICAL PICKUP APPARATUS (English)  
Patent Assignee: RICOH COMANY LTD (JP)  
Author (Inventor): TAKAHASHI YOSHITAKA (JP); AKIYAMA HIROSHI (JP);  
EMOTO MASAMI (JP)  
Priority (No,Kind,Date): JP 93237027 A 19930924; JP 93245295 A  
19930930; JP 93270225 A 19931028  
Applic (No,Kind,Date): US 311050 A 19940923  
National Class: \* 369112000; 369110000; 369120000; 369124000  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* G 98-032029; G 98-032029  
Language of Document: English  
Patent (No,Kind,Date): US 5870370 A 19990209  
OPTICAL PICKUP APPARATUS (English)  
Patent Assignee: RICOH KK (JP)  
Author (Inventor): TAKAHASHI YOSHITAKA (JP); AKIYAMA HIROSHI (JP);  
EMOTO MASAMI (JP)  
Priority (No,Kind,Date): US 895511 A 19970716; JP 93237027 A  
19930924; JP 93245295 A 19930930; JP 93270225 A 19931028; US  
311050 A1 19940923  
Applic (No,Kind,Date): US 895511 A 19970716  
Addnl Info: 5694385 Patented  
National Class: \* 369112000; 369110000; 369120000; 369124000  
IPC: \* G11B-007/00  
Derwent WPI Acc No: ; G 99-153123  
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5694385	P	19930924	US AA	PRIORITY (PATENT)
			JP 93237027 A	19930924
US 5694385	P	19930930	US AA	PRIORITY (PATENT)
			JP 93245295 A	19930930

US 5694385	P	19931028	US AA	PRIORITY (PATENT)
		JP 93270225	A	19931028
US 5694385	P	19940923	US AE	APPLICATION DATA (PATENT)
				(APPL. DATA (PATENT))
		US 311050	A	19940923
US 5694385	P	19950327	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST
				RICOH COMPANY, LTD. 3-6, 1-CHOME NAKAMAGONE,
				OHTA-KU TOKYO 143, JAPAN ; TAKAHASHI,
				YOSHITAKA : 19950306; AKIYAMA, HIROSHI :
				19950306; EMOTO, MASAMI : 19950306
US 5694385	P	19971202	US A	PATENT
US 5870370	P	19930924	US AA	PRIORITY (PATENT)
		JP 93237027	A	19930924
US 5870370	P	19930930	US AA	PRIORITY (PATENT)
		JP 93245295	A	19930930
US 5870370	P	19931028	US AA	PRIORITY (PATENT)
		JP 93270225	A	19931028
US 5870370	P	19940923	US AA	PRIORITY
		US 311050	A1	19940923
US 5870370	P	19970716	US AE	APPLICATION DATA (PATENT)
				(APPL. DATA (PATENT))
		US 895511	A	19970716
US 5870370	P	19990209	US A	PATENT
US 5870370	P	20000725	US RF	REISSUE APPLICATION FILED
				(REISSUE APPL. FILED)
				20000522

LEVEL 1 OF 1 PATENT

5,870,370

<=2> GET 1st DRAWING SHEET OF 35

Feb. 9, 1999

Optical pickup apparatus

REISSUE: Reissue Application filed May 22, 2000 (O.G. Jul. 25, 2000) Ex. Gp.:  
2878; Re. S.N. 09/577,006

CORE TERMS: ray, pickup, prism, light-receiving, lens, laser, semiconductor,  
recording, optical, crystal...

LEXIS-NEXIS  
Library: PATENT  
File: ALL



Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,870,370 OR 5870370

LEXIS-NEXIS  
Library: PATENT  
File: JNLS

Your search request has found no ITEMS.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

1/3 LGST (1/1) - (C) LEGSTAT  
PN - US 5870370 [US5870370]  
AP - US 895511/97 19970716 [1997US-0895511]  
DT - US-P  
ACT - 19970716 US/AE-A  
APPLICATION DATA (PATENT)  
{US 895511/97 19970716 [1997US-0895511]}  
- 19990209 US/A  
PATENT  
- 20000725 US/RF  
REISSUE APPLICATION FILED  
20000522  
UP - 2000-30

2/3 CRXX (1/1) - (C) CLAIMS/RRX  
AN - 3109914  
PN - 5,870,370 A 19990209 [US5870370]  
PA - Ricoh Co Ltd JP  
PT - E (Electrical)  
ACT - 20000522 REISSUE REQUESTED  
Issue Date of O.G.: 20000725  
Reissue Request Number: 09/577006  
Examination Group responsible for Reissue process: 2878  
  
UP - 2000-30  
UACT- 2000-07-25

3/3 PAST (1/1) - (C) PAST  
AN - 200030-001269  
PN - 5870370 A [US5870370]  
DT - A (UTILITY)  
OG - 2000-07-25  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED